

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE 1 OF 1 PAGES
2. AMENDMENT/MODIFICATION NO. R0002	3. EFFECTIVE DATE 05/10/04	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY US ARMY ENGINEER DISTRICT, AK CEPOA-CT-CM (W911KB) PO BOX 6898 ELMENDORF AFB, AK 99506-0898 KEVIN MALOY (907)753-5594	CODE J4P0000	7. ADMINISTERED BY (If other than Item 6)	CODE DACA85	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(X)	9A. AMENDMENT OF SOLICITATION NO. W911KB-04-B-0002	
		X	9B. DATED (SEE ITEM 11) 04/15/03	
			10A. MODIFICATION OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE 089C4	FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 0 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (If required)

PROJECT TITLE AND LOCATION: Modified MOUT and Range Upgrade Facility, Ft Wainwright, Alaska

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc). SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

BID OPENING DATE IS EXTENDED TO 27 MAY 2004, at 2:00 pm, local time, at the US Army Engineer District-Alaska, 2204 Third St, Elmendorf AFB, Alaska.

NOTICE TO OFFERORS: PLEASE MARK OUTSIDE OF ENVELOPE IN WHICH BID IS SUBMITTED TO SHOW AMENDMENTS RECEIVED. YOU ARE REQUIRED TO ACKNOWLEDGE RECEIPT OF THIS AMENDMENT ON THE REVERSE SIDE OF STANDARD FORM 1442.

IMPORTANT NOTE: DUE TO CONSTRUCTION, BONIFACE GATE IS CLOSED FROM APR 15 - JUL 12, 2004- SEE SECTION 00100 PARA 1.6.2.1 and keep in mind the base is still under tight security measures and access to non-DOD personnel is limited or restricted and requires extra time to process through the Muldoon Gate

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF SIGNER (Type or print)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)		1. SOLICITATION NUMBER W911KB-04-B-0002	2. TYPE OF SOLICITATION <input checked="" type="checkbox"/> SEALED BID (IFB) <input type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED 04/15/04	PAGE OF PAGES
IMPORTANT - The "offer" section on the reverse must be fully completed by the offeror.					
4. CONTRACT NUMBER		5. REQUISITION/PURCHASE REQUEST NUMBER		6. PROJECT NUMBER	
7. ISSUED BY	CODE	8. ADDRESS OFFER TO			
	W911KB	SEE ITEM 7			
US ARMY ENGINEER DISTRICT, ALASKA CEPOA-CT-CM (W911KB) PO BOX 6898 ELMENDORF AFB, AK 99506-6898					
9. FOR INFORMATION CALL AM#1.		A. NAME SUSAN COYNER KEVIN MALOY	B. TELEPHONE NUMBER (include area code) (NO COLLECT CALLS) (907)753-2838 5594 ...AM#1		

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying number, date):

NAICS: 237990 (Size Standard: \$28.5 million)

PROJECT TITLE/LOCATION: MOUT Upgrade, Ft Wainwright, Alaska

COMPETITIVE 8(a) SET-ASIDE

DESCRIPTION OF WORK: Construct a live-fire Infantry Squad Battle Course (ISBC), Urban Assault Course (UAC), Shoot House Breach Facility, Ammunition Breakdown Facility, Warm up Buildings and Latrines. Project includes an After Action Review (AAR) Facility from which simulations and training operations will be controlled, monitored and reviewed. Supporting facilities include utilities, electric service, access roads and parking areas, and information systems. The ISBC will be constructed in the Ft Wainwright Yukon Training Area. All other facilities are located within the existing training range area south of the Richardson highway. Responders are advised that this requirement may be delayed, canceled, or revised at any time during the solicitation and/or final award process based on decisions related to DoD changes and disposition of the Armed Services.

THIS SOLICITATION UTILIZES ELECTRONIC BID SETS (EBS) AND WILL BE AVAILABLE FOR DOWNLOADING THROUGH OUR WEBSITE AT NO CHARGE -- <https://ebs.poa.usace.army.mil/AdvertisedSolicitations.asp>

11. The Contractor shall begin performance within <u>10</u> calendar days and complete it within <u>475</u> calendar days after receiving	
<input type="checkbox"/> award,	<input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory, <input type="checkbox"/> negotiable. /See <u>REF FAR 52.211-0010</u> /
12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE PAYMENT BONDS? (If "YES," indicate within how many calendar days after award in Item 12B.)	
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
12B. CALENDAR DAYS <u>10</u>	
13. ADDITIONAL SOLICITATION REQUIREMENTS:	
A. Sealed offers in original and <u>1</u> copies to perform the work required are due at the place specified in Item 8 by <u>2:00 pm</u> (hour) local time <u>AM#2..17 May 2004 27 May 2004</u> (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.	
B. An offer guarantee <input checked="" type="checkbox"/> is, <input type="checkbox"/> is not required.	
C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.	
D. Offers providing less than <u>60</u> calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.	

CONTRACTING NOTE:

Bid Opening Date has been re-scheduled
to
27 May 2004, 1400 (2 PM, AST).

Please refer to SF 30, Block 14.

W911KB-04-B-0002 Amendment 2
FTW 254 Modified MOUT and Range Upgrade

Pre-Bid Site Visit was conducted 06 May 2004. The following attended:

Last	First	Company
Eder	Bob	Alaska Mechanical
Dillon	Christopher	Alutiiq
Kennedy	Dave	Alutiiq
Miles	Keith	Alutiiq
Strike	Greg	Alutiiq
McIntyre	Howard	American Mechanical, Inc
Donaldson	Derwood	Bristol
Goebel	Rollie	Bristol
Letts	Charles	Bristol
Froehle	Hal	CADDO
Haley	George	Dokoozian & Assoc, Inc.
Mattis	Gary	Goodfellow Bros., Inc
Brand	Randy	Great Northwest, Inc.
Geraghty	Steve	Great Northwest, Inc.
Kalen	Patrick	Kalen & Assoc, Inc
Kalen	Susan	Kalen & Assoc, Inc
Leith	John	Norcon, Inc.
Risla	January	Norcon, Inc.
Green	Doug	Northwest Mining
Green	Tim	Northwest Mining
Nielson	Walt	Northwest Mining
Eason	Will	Premier Earthwork, Inc.
Waller	Jim	Premier Earthwork, Inc.
Hatzis	Steve	Tunista, Inc.
Miller	Jim	Unit Company
Mader	Brian	Wire-Comm

FTW254 CONTRACTOR QUESTIONS

1. Sheet S-001, Item 8.18 calls out for stainless steel nails for exposed construction. SECTION 06100—ROUGH CARPENTRY calls for galvanized nails. Please clarify.

Stainless steel nails are required.

2. CD-08, Angle Iron to support bottom timbers on the MGB is not shown as on other features. Is this required?

Angle Iron "Clips" are required as shown for other features.

3. CD-009, Can you give the exact spacing or locations for the parapets on the trench? They are currently listed it as a spacing from 4500-6000.

Sheet C-019 lists horizontal and vertical control points for the entire trench system as shown on CD-009. This information gives the exact location for the parapets.

4. Section 13125—Is the intent to provide a manufactured roof over a military grade shoot-house with no other outside walls (as seems to be the standard) or to provide a military grade shoot-house inside of a manufactured metal building. The specification provides information for both cases. Please clarify?

The intent is to provide a shoot house under a roof with no walls.

5. Section 13125—If there is just a roof covering and no walls, what is the intent of the insulation and ventilators called out in Paragraphs 2.4 and 2.5?

The requirement for insulation and ventilators is deleted.

6. Section 13125—With respect to the shoot house wall system, Section 3.3 calls for the block height to be stacked to 2.9m. This goes against standard practice in military grade shoot houses constructed to date where the block is normally stacked from 7'6" to 8'3", leaving another (approx) 2' above the block with panel to stop rounds. Additionally, the manufacturer is/has recommended against such a high stacking of block. Is the intent to really have 2.9m of stacked block or is this an error?

It is the intent to have rubber blocks stacked to a height of 2.9m.

7. Section 13125—With respect to Section 3.4, rubber block testing, is the intent to test the performance of the entire wall system (block, panel, and steel plate) in compression and not just the block. If so, please revise the wording. If not, please recognize this requirement, as far as our knowledge goes, is not realistic or achievable.

The performance requirements were defined by the end user of the product and directly relate to maintenance intervals. Some manufacturers claim the product will encapsulate 5500 rounds while others claim 3000. The requirement of this test calls for 1000, which is realistic and achievable in relation to manufacturers' claims.

8. Section 13125—With respect to Section 3.4. When is the test scheduled for? Where will the testing be conducted? How long will the testing take? If a manufacturer already has test data, can this be used in substitution?

The testing will be scheduled based on availability of the Cold Regions Test Center and will be discussed during the pre-construction conference. Manufacturer test data is inconsistent among different manufacturers and is therefore not acceptable. Testing duration will depend on the schedule of the CRTC but is expected to take no more than one week for the ballistic durability testing.

9. Reference E-014 and E-009. How much of the electrical work shown for the moving armored target goes with optional bid item 0009?

Option bid item 0009 shall not include the electrical. A standard Down Range Power Center as detailed on CD-004 and E-008 shall be provided to house the electrical equipment.

10. Reference Section 02313. Can we get a map that shows the locations of the soil exploration logs?

Yes. Drawing will be provided in subsequent Amendment.

11. Reference E-004 and CD-008. What electrical panel goes in the machine gun bunkers and does the 27mm conduit go to a box in the machine gun bunker?

A receptacle shall be provided for power as shown on E-006 and a cast metal box shall be provided to terminate the 27mm conduit for data cable as indicated on E-009.

12. Reference E-004, CD-008 and C-016. Are B-3 and B-4 part of optional bid item 0004 or are they to be constructed regardless of option #1?

B-3 and B-4 are part of option item 0004 and shall be bid accordingly.

13. Reference E-002, E-007, and E-029. Are TP3 and its primary cable and secondary panel part of optional bid item 0006?

Yes. Include the TP3, primary cable, secondary, and panel "PD" as part of bid item 0006.

14. Reference E-002, E-007, and E-029. E-007 shows the panel connected to TP3 as "PN" whereas E-029 shows a panel "PD". Is this a typo or are there two panels?

This is a typographical error. E-007 should read "PD" instead of "PN".

15. Reference E-003, E-030, E-031, E-032, E-033 and E-034. On E-003, it seems that the sheet number references for Station numbers 1 thru 3 should be incremented by one.

This is correct. Sheet number references should be incremented by one sheet.

16. Reference BS-1 - Bid Schedule. Bid Item 0001 does not specify the buildings in the same manner that Bid Item 2 does. Assume that bid item 0001 includes the Combined Range Operations Center and General Instruction Building, the Warm-Up Building and the Latrine.

This assumption is correct.

17. Reference BS-1 - Bid Schedule. Does the electric power to the buildings (i.e. 15kV cables, pad mount transformers and underground services) belong in bid item 0003 or should these be included in bid items 0001 and 0002?

It is typical for "exterior" or "downrange" power to be included under site electrical as it is shown. It belongs in Bid Item 003.

18. Section 01015, paragraph 1.7.3 states that trees greater than 100 mm shall be salvaged for public use. Section 02313, paragraph 3.1.1 and Section 02231, paragraph 3.5.1 state that the trees shall be disposed of offsite. Please clarify what are the requirements for logs too large to be chipped.

Specification section 01015 will be amended to agree with section 02313.

19. Section 02313 (Page 13-96)

(a) It appears that soil borings only cover the Fort Wainwright portion of the project. Is soil-boring data covering the YTA portion of the project available?

Yes. They will be provided in subsequent amendment.

(b) Can a drawing be made available which depicts the soil data boring locations (and numbers) in relation to the project areas?

Yes. They will be provided in subsequent amendment.

20. Section 02231. Clearing and Grubbing states that for trees to be left standing, branches greater than 75mm should be trimmed to heights indicated or directed. Which trees does this statement apply to?

Revised specification 02231 will be provided in subsequent amendment.

21. Section 02313. Earthwork for Buildings, Paragraph 3.3—where are the general waste or spoil areas for each of the project sites?

No specific area has been identified. The intent is that it will be disposed of somewhere within the boundary of the project sites. In general, excess fill or soils from excavations shall be spread in areas where clearing has taken place and then re-vegetated as detailed in Section 02921.

22. Section 02313. Earthwork for Buildings, states that no fill shall be placed on a sub grade that contains frost—how does this apply to areas of discontinuous permafrost?

Revised specification 02313 will be provided in subsequent amendment.

23. Section 02319. Earthwork for vehicle traffic areas, sidewalks, curbs and gutters, target emplacements, and areas grading, Section 3.4.2—Does this paragraph apply to target berms?

Yes.

24. Section 02319. Earthwork for vehicle traffic areas, sidewalks, curbs and gutters, target emplacements, and areas grading, Section 3.5—What are the testing requirements for target berms?

Revised specification 02319 will be provided in subsequent amendment.

25. Section 02450. Mat, Ballast, Emplacements, and Misc. Crossties, Paragraph 2.2.1 requires that all timbers for MAT, SAT, DRPC, MIT, SIT, Machine Gun Bunkers, Trenches, and Downrange Power Centers be railroad tie grade lumber treated with creosote/coal tar? Is this correct or do the requirements specified in Section 06100 – Rough Carpentry, Paragraph 2.1.3.1 apply to these members?

This is correct. Section 06100 does not apply to the mentioned improvements.

26. Section 02450. Mat, Ballast, Emplacements, and Misc. Crossties, Paragraph 2.2.1 requires that crossties be no less than 175mm thick and 225mm wide. This is consistent with the design drawings, which have a hard metric callout for the timbers to be 175mmx225mm. Based on the information provided in (01415—Metric Measurements), do you really want 175mm x 225mm timbers priced? Please realize that this is a non-standard dimension, which will require custom millwork. The timbers can be provided, but at a significant cost differential.

The called out metric dimensions are intended to be considered as nominal dimensions. Standard, readily available cross tie sizes are desired, not custom millwork.

27. Section 02456 (Steel H Piles). Please clarify with respect to the pile load test:

Hasn't it been done already in conjunction with the 100% design?

If the contractor is supposed to be doing the load test, what are the desired design values?

If the contractor is doing the load test, is it correct to assume that the pile depths shown in the 100% design are incorrect?

Revised specification 02456 will be provided in subsequent amendment.

28. Section 02821 (Seeding) Paragraph 3.3.1. Is the specified seed mixture to be used in target/objective areas to achieve re-vegetation?

The specified seed mix is intended to be used wherever re-vegetation is required, which would include the target areas.

29. Section 13000 (Rubber Self-Sealing Backing Curtain). Where is this required in this project?

Section 13000 will be deleted.

30. Drawing C-010. Can you provide labels for each of the features at the UAC Grenadier Gunnery Trainer? It is unclear from this drawing/page which features represent the Hasty Position, Low Wall, Sandbag/Target Berm and Vehicle Pad.

Revised drawing C030 will be provided in subsequent amendment.

31. Drawing C-016. It is unclear as to what the STSR dotted line is showing?

CD-001 shows the requirements for the construction of the STSR = Secondary Target Service Road. Notes 1 and 2 on sheet C-016 specifies that the locations for the STSR (as illustrated by the dashed line) are for general information only. It is a requirement that Targets V-1 through V-5 have a maintenance road constructed to them but the layout can be modified by the contractor if a more efficient or less expensive way to do it is found.

32. Drawing C-031. What are the retaining wall structures shown in the breach facility berms?

Sheets C-009 and C-011 call these out as bunkers and refer the contractor to CD-008 for details.

33. Drawing CD-001. Are the roads really constructed of unclassified material? Where is the surface course shown?

The roads shall be constructed as shown in the details. Please refer to specifications section 02313 for the definition of unclassified material.

34. Drawing CD-008. Based on past experience, sandbags on the MGB tops are not desired. Is it required for this contract?

Yes.

35. LV-002 (Borrow Pit Identification). The plans/specs identify specific borrow source sites for the YTA and FTW work areas. A new borrow source has recently been approved near the MPTR of the current YTA project. This would be a considerable competitive advantage to the current onsite contractor if this site is known/utilized and not otherwise also made available as a borrow source for the FTW MOUT ISBC.

A) Will this borrow source be available to all bidders?

A new borrow source has not been approved for the YTA project. Use of an alternate borrow source must be approved by the Contracting Officer.

If Not:

B) Will contractors now working on site at the current YTA project be excluded from utilizing/stockpiling borrow source from this new borrow source/site for use on this new project?

Use of alternate borrow sources must be approved by the Government on a case-by-case basis.

C) If suitable material is located during construction on site locations of ISBC and UAC, will the contractor be allowed to utilize this material as an alternative to the currently identified borrow sources?

The contractor can use locally available material as long as it meets the material specifications.

36. Section 05120, Paragraph 2.4 and the Division 5 paint table in SECTION 09900 appear to require a coating for the driven H-Pile, although the specified coatings appear to be different. Is a coating on the H-Pile really desired? If so, please clarify which coating applies.

No coat is needed nor desired.

37. In general, based on the target drawings (SIT, MIT, Machine Gun Bunker, Trenches, MAT, SAT, Downrange Power Center) and information supplied in Section 01415, the targets appear to be in hard metric. Many of the dimensions specified are not standard dimensional items (175mm x 225mm timbers, 200 x 54 H-pile, etc...). Is it really the government's intent to make the target features hard metric?

The called out metric dimensions are nominal dimensions. Standard, readily available material sizes are desired, not custom millwork.

38. Section 02450, Paragraph 2.2.1 requires retaining wall timbers to be not less than 225mm x 175mm. The H-pile specified for these retaining walls is HP 200mm x 54 kgf/m. The H-pile specified doesn't show up in ASTM A 6/A 6M, but a HP 200mm x 53 kgf/m does. Assuming that this is the desired H-pile, the web spacing on this H-pile is 181.4 mm. Based on past experience, the alignment tolerances for driven h-pile, and the dimensional tolerances for timber cross ties, the 6.4 mm of extra space is unrealistic. Can these requirements and member sizes be re-visited?

The called out metric dimensions are nominal dimensions. Standard, readily available cross tie sizes are desired, not custom millwork.

39. Feature Design (General) The Huntsville design group has approved alternative designs for construction in Alaska for various features. Can these alternate designs approved by Huntsville and constructed previously in Alaska be utilized on this project for correlating feature types?

No.

40. On drawings C-016, C-017, and X-002. Thinning Zones A and B are depicted. We were not able to find the clearing requirements within these thinning zones anywhere within the specifications, including Section 02231, Clearing and Grubbing. Please clarify.

Revised specification 02231 will be provided in subsequent amendment.

41. What is the access route for the project to the YTA site? Will the main Eielson Gate be used? Is there another access point to this work site? What security requirements will be imposed? Will full access along Quarry Road AND Manchu Road-Trail be available during the construction period?

Reference subsequent amendment.

42. The typical road, trail and parking sections indicate varying thickness of unclassified fills @ 95% compaction to provide the finished grade and driving surface. Are there any requirements for fills and backfills below this unclassified layer?

The typical sections shown are indicative of the structural section for these improvements. Any additional fill required in achieving the sub-grade elevation shown in the Civil Profile and Civil Section shall be constructed of the same material as the structural section, which in this case is unclassified material. There is no requirement for classified or surfacing materials in these sections.

43. Target PC-2 shown on drawing C-016 appears to be located within an area that is not to be cleared. Please clarify.

PC-2 is a power center. The spot it sits on does need to be cleared. Any clearing would be for constructability purposes only.

44. Are there any restrictions for time of day and/or day of week that work may take place in the FTW Borrow Pit location?

Currently, the contractor will not have access to the borrow pit located at the Ft. Wainwright Range Control site on most Wednesdays. Additional access restrictions may be imposed in response to external, real-world events.

45. Are there any restrictions for time of day and/or day of week that hauling can occur between the FTW Borrow Pit location and the FTW project site?

Refer to question 44 response. Hauling will not be permitted on Wednesdays.

46. Can the haul road between the FTW Borrow Pit location and the FTW project site be improved?

A new haul road will be constructed by the Army to support simultaneous operation of the Pit and the adjacent Range. The Haul road will run on the North side of the pit and behind the adjacent ranges Firing line. Any additional improvements to the haul road must be coordinated with the Army and at no cost to the Army.

47. During the site visit we were shown an area that has been cleared, stripped and was ready for gravel bailing. I overheard someone state that we would not be able to utilize the prepared area for this contract, that we would have to prepare another area several hundred feet to the south that has not been prepared. The drawing (sheet LV-002) does not provide enough detail to determine exactly where we will be required to operate and what work will be required to facilitate mining. Please provide a detailed description of what area will be available, a mining plan, and any available geotechnical information in order to determine the amount of work that will be required to satisfy the needs of this project.

Refer to borrow pit plans provided under this amendment.

48. Please provide the size and specification for the timber wall to be constructed for the "Trench Section" as indicated on sheet CD-010.

Answer will be provided in subsequent amendment.

49. Specification section 02456 "Steel H-Piles" appears to be written around driving piles to bearing as opposed to driving piles to a specified depth. Please review for consistency.

Answer will be provided in subsequent amendment.

50. Please provide the specification for "Filter Fabric" utilized in all buried timber applications.

Answer will be provided in subsequent amendment.

51. Please provide the specification for "Treated Timber Retaining Wall" utilized in the target and bunker construction.

Answer will be provided in subsequent amendment.

52. The area that we were shown as available for the YTA Borrow Pit was about 1.3 miles from Quarry Road. The YTA Borrow Pit Location indicated on sheet LV-002 is approximately 1/2 mile from Quarry Road. Please clarify which location will be provided for the YTA Borrow Pit Location, along with a mining plan, and any available geotechnical information in order to determine the amount of work that will be required to satisfy the needs of this project.

Refer to borrow pit plan for Mullins Pit provided under this amendment.

53. The haul route between the YTA Borrow Pit and the YTA project site passes by a firing range. Will there be any restrictions for time of day and/or day of week that hauling can occur along this route?

Refer to responses to questions 44 and 45.

54. Please confirm that the weight limit on the French Creek bridge is 29 tons.

The bridge rating is 29 tons.

55. During the site visit it was indicated that there is geotechnical information available for the YTA project site. Please provide this information.

Refer to question 10 response.

56. I am unable to determine the location of the boreholes provided in section 02313.

Refer to soil logs and maps provided under this amendment.

57. I am unable to determine the clearing limit overlay on the aerial photos (C-003, 004, 014, 015). Are the clearing limits the same as indicated on the site plan drawings?

Yes.

58. The specification for unclassified fill (02313-1.2.4) limits material to have not more than 15% passing the 0.075 mm sieve. This restriction will most likely eliminate the utilization of any of the excavated materials from this project and require that bailed gravel satisfy the unclassified fill requirements. Is this the intent? Many of the unclassified fills appear to provide no structural bearing. The contractor is responsible for erosion until project completion. It would seem that silts and silty sands would suffice.

Yes.

59. I am unable to determine the work requirements within "Thinning Zones A and B."

Refer to question 40 response.

60. Sections 02313, 02314, and 02319 all have requirements for performing a gradation and frost susceptibility test for every 75 cubic meters of classified material placed. Given the scope and purpose of the project, does the government really want this frequency of testing? Please realize the number of tests that this entails and the challenges that this presents to production earthwork—all of which the government would see in increased costs.

Requirements of Sections 02313 and 02314 requirements will remain.
Revised specification 02319 will be provided in subsequent amendment.

61. Sections 02313, 02314, and 02319 also have a very high frequency of field densities being performed. Given the scope and purpose of the project, does the Government want to reconsider the frequency of the field densities?

No

62. There are numerous test hole reports in the spec package section 02313. We have not been able to identify the locations on the plans of these test holes. Can these be provided?

Refer to question 10 response.

63. We cannot locate specs for the Thinning Zones A & B located in the YTA. Can you provide these specs or point us in the right direction?

Refer to question 40 response.

63. The x-sections and profiles on the plans for roads and berms do not show any grubbing. The specs (2231, Para 3.4) indicate grubbing is required "in areas indicated as construction areas under this contract, such as areas for buildings, and areas to be paved". Is grubbing required outside of the sub excavation limits for building structures (i.e. - in the roads, parking areas and berms)? On these projects, grubbing is typically performed only under the building foundation, under all roads and trails, under parking areas, and under the footprint of the target berms.

No grubbing is required in other areas.

64. Referencing the Underground Trainer Facility, Drawings CD-019, C-026 and C-027. Is there a bedding requirement / typical section for the pipe (similar to the manhole detail)? Drawing C-027 seems to depict the pipe laying on the existing ground surface. Drawings CD-019 and C-026 refer to slope and specific elevation points for the pipe. We need a typical pipe section to determine excavation, backfill and / or bedding requirements.

Sheet CD-018 shows a pipe bedding detail that applies to the storm drainage pipes as well as the underground trainer.

65. Will there be any weight restrictions placed on project haul routes? If so, what will these be.

There are no weight restrictions on the Haul Roads on Army Property.

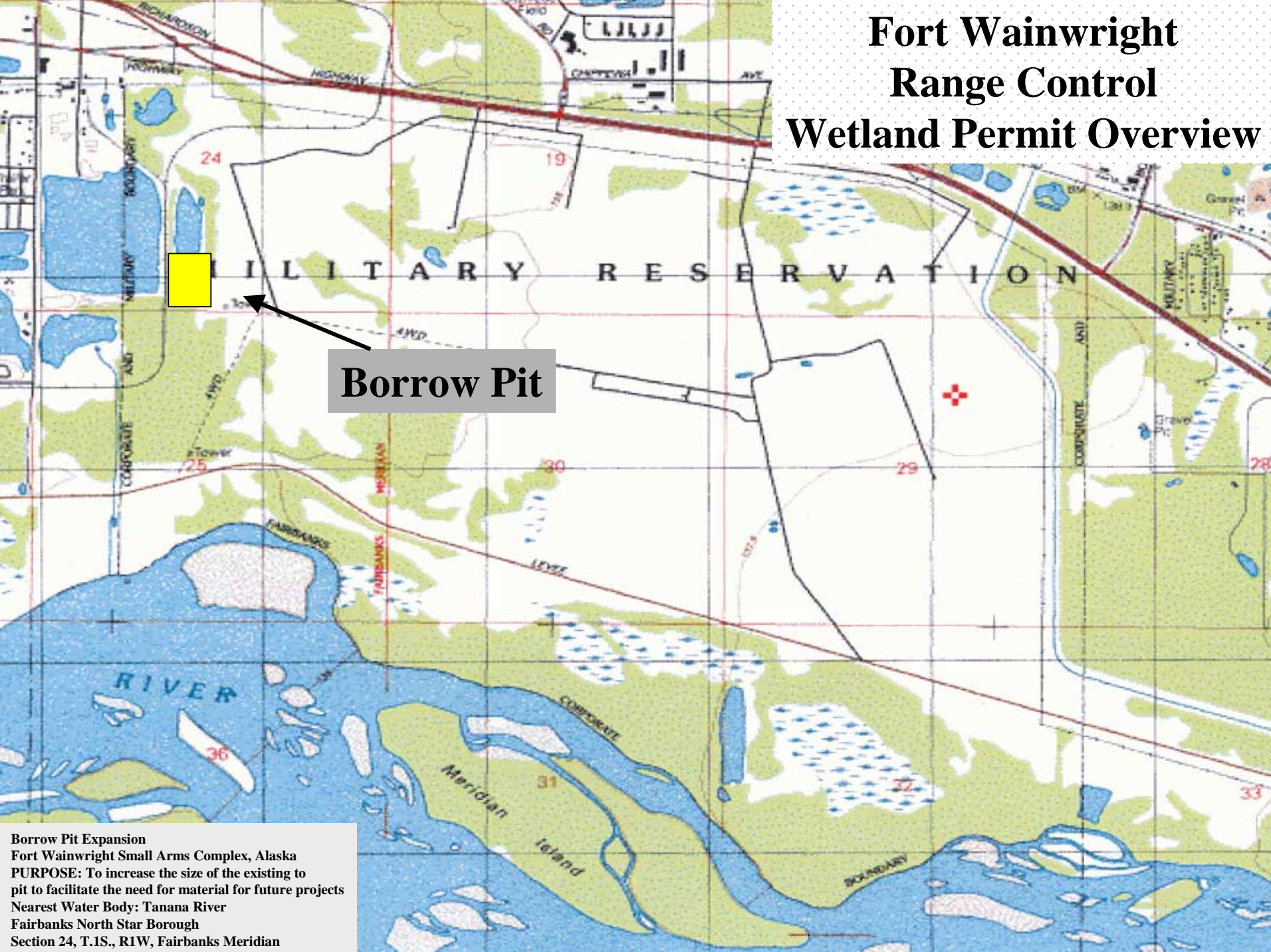
66. What will the Eielson security/entrance requirements be for contractor work and delivery vehicles? What delays and inspections should be required on a daily basis?

Answer will be provided in subsequent amendment.

67. What water sources are currently approved for project use? Are there any additional permit requirements that bidders can expect in order to use these sources?

Answer will be provided in subsequent amendment.

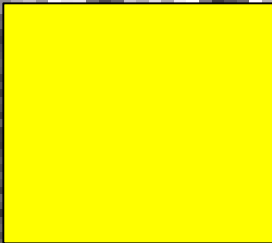
Fort Wainwright Range Control Wetland Permit Overview



Borrow Pit

Borrow Pit Expansion
Fort Wainwright Small Arms Complex, Alaska
PURPOSE: To increase the size of the existing to
pit to facilitate the need for material for future projects
Nearest Water Body: Tanana River
Fairbanks North Star Borough
Section 24, T.1S., R.1W, Fairbanks Meridian

Small Arms Complex Borrow Pit Expansion

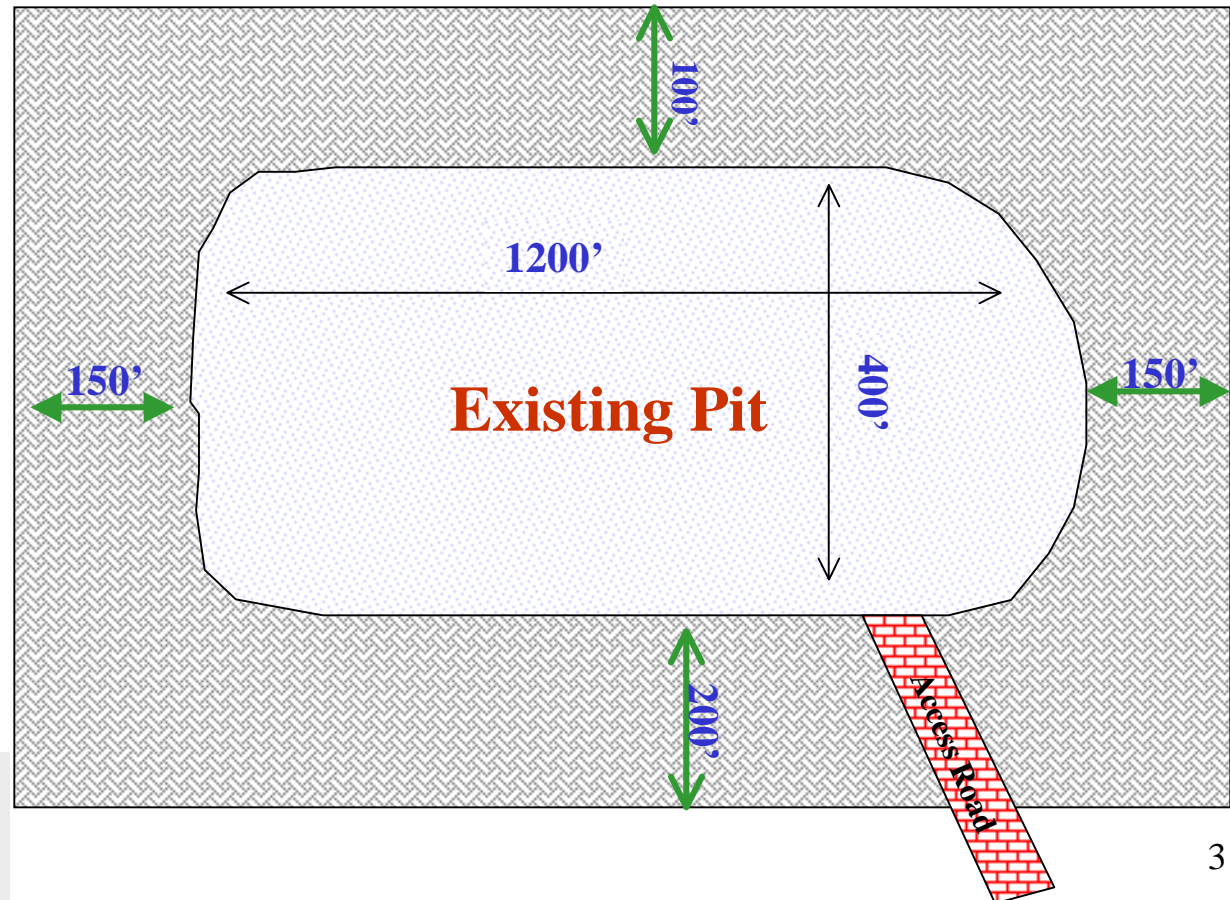


Co-locate MP Qual range with the Combat Pistol Range,
Fort Wainwright Small Arms Complex, Alaska
PURPOSE: To consolidate the two ranges into one and bring
The range into compliance with TC 25-8.
Nearest Water Body: Tanana River
Fairbanks North Star Borough
Section 24, T1S, R1W, Fairbanks Meridian

Fort Wainwright Small Arms Borrow Pit Expansion Plan PHASE I

RAILROAD

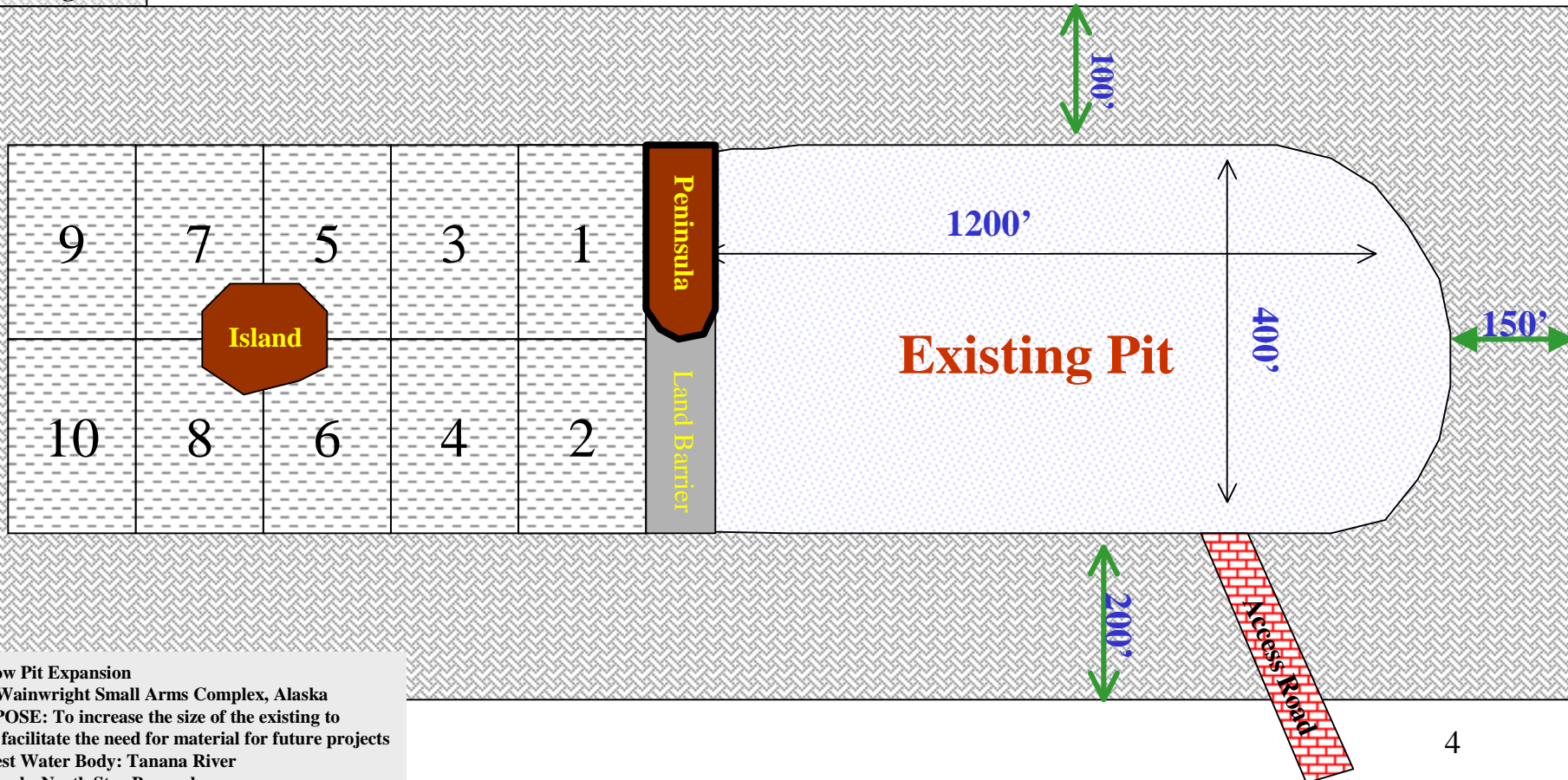
Existing Pad
Stocking Area



Fort Wainwright Small Arms Borrow Pit Expansion Plan PHASE II

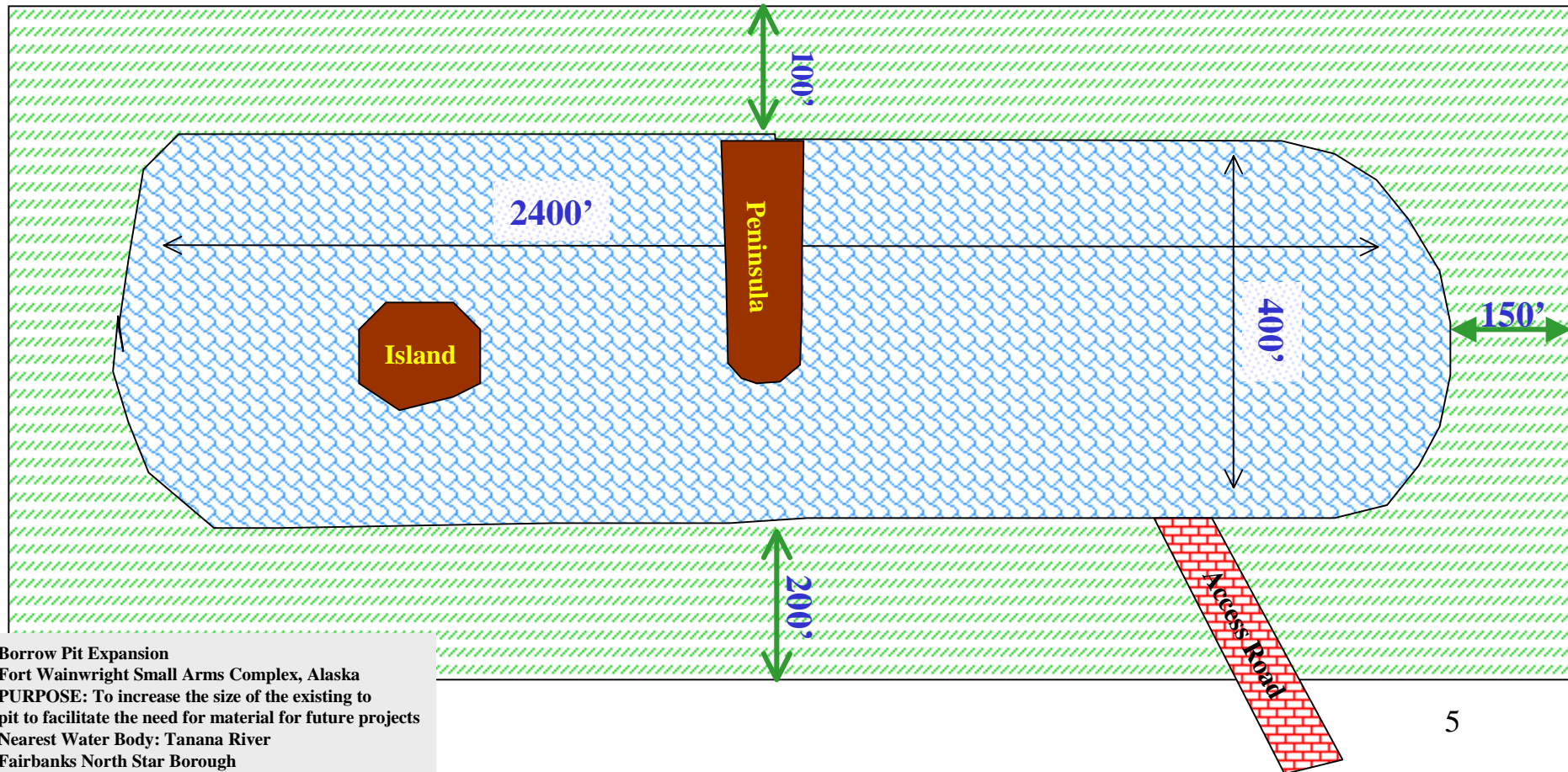
RAILROAD

Existing Pad
Stocking Area

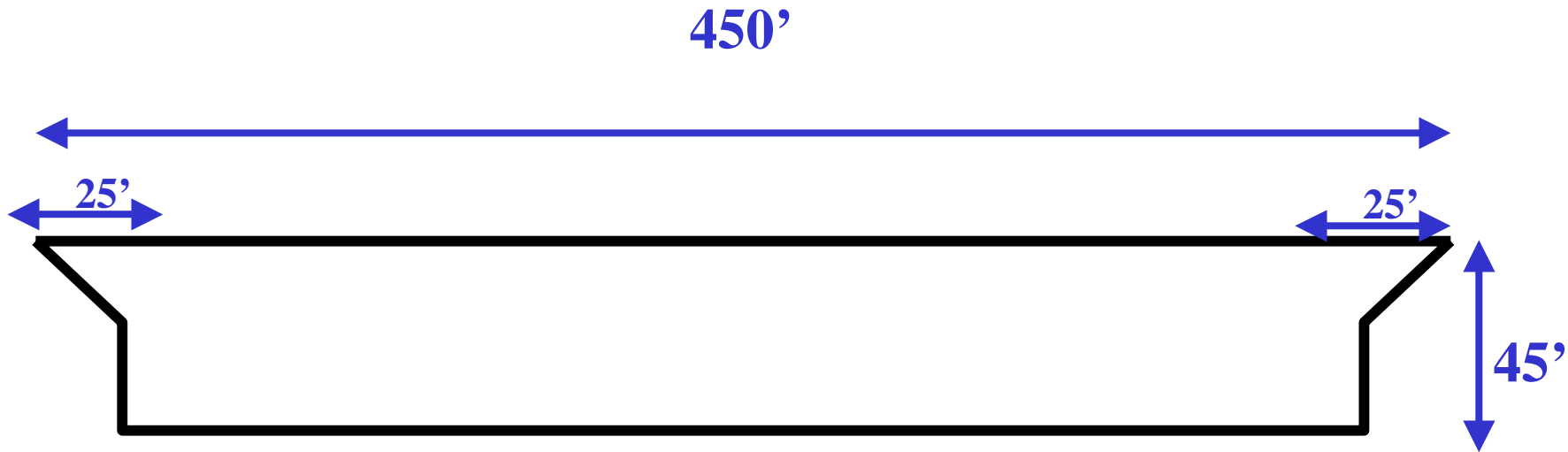


Fort Wainwright Small Arms Borrow Pit Expansion Plan Reclamation Phase

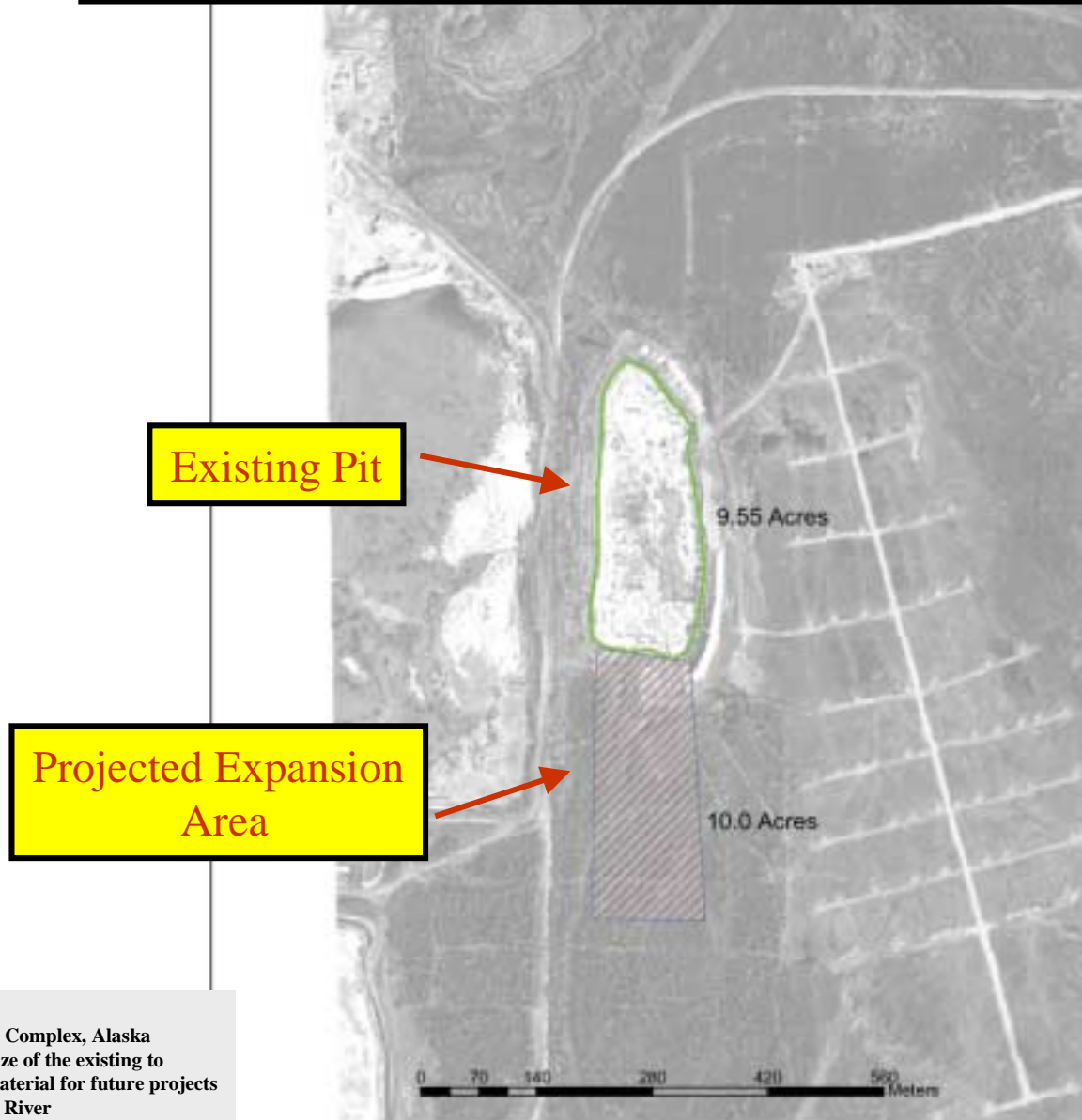
RAILROAD



Fort Wainwright Small Arms Borrow Pit
Expansion Plan
Cross Section View



Fort Wainwright Small Arms Borrow Pit Projected Expansion Plan



Borrow Pit Expansion
Fort Wainwright Small Arms Complex, Alaska
PURPOSE: To increase the size of the existing to
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Nearest Water Body: Tanana River
Fairbanks North Star Borough
Section 24, T.1S., R1W, Fairbanks Meridian

Fort Wainwright Small Arms Borrow Pit Current View

Existing Pit

9.55 Acres

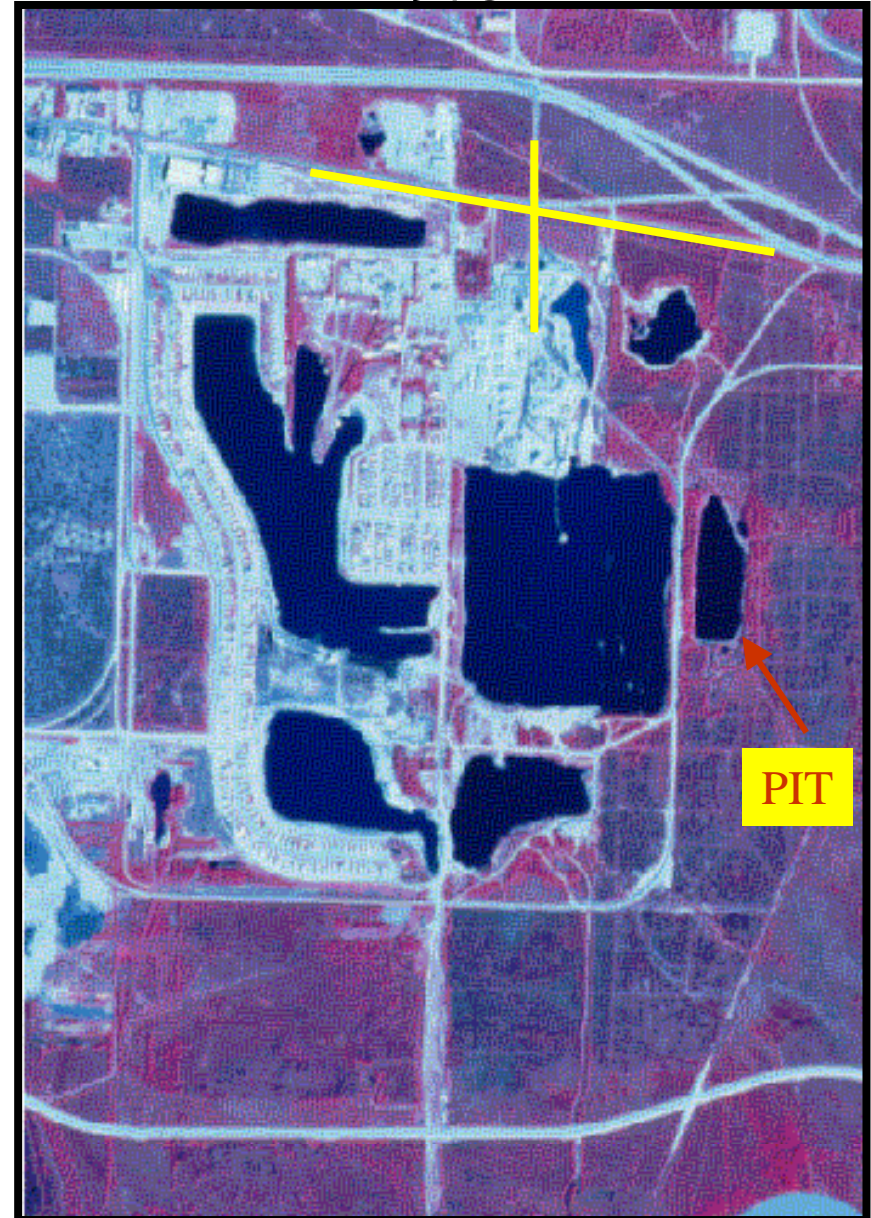
0 70 140 280 420 560 Meters

Borrow Pit Expansion
Fort Wainwright Small Arms Complex, Alaska
PURPOSE: To increase the size of the existing to
pit to facilitate the need for material for future projects
Nearest Water Body: Tanana River
Fairbanks North Star Borough
Section 24, T.1S., R1W, Fairbanks Meridian

1954



1978



Borrow Pit Expansion
Fort Wainwright Small Arms Complex, Alaska
PURPOSE: To increase the size of the existing to
pit to facilitate the need for material for future projects
Nearest Water Body: Tanana River
Fairbanks North Star Borough
Section 24, T.1S., R1W, Fairbanks Meridian